

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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A 17-page report on the Azerbaijan Industrial Institute (AzII) in Baku

The report contains information on the over-all organization, personnel, faculties, enrollment, entrance examinations, and general educational policies of the institute.

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Azerbaijan Industrial Institute (AzII) in Baku

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1. The AzII in Baku is located in two buildings: one is a four-story building at No. 20 Prospekt Lenina, the other is a two-story building at No. 5 Darvin Ul. The one on Prospekt Lenina is the main building. It was originally occupied by other higher educational institutions, one of which was API (Azerbaijan Polytechnical Institute ?), and later by others.

2. The Director of AzII was mechanical engineer Docent Saadik Balayevich GODZHAYEV. He has been the director for a long time, probably since 1939 when he was appointed to replace the former director (nu) who was allegedly shot during the Yezhov purges.

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a. Deputy Director for Education (Uchebnoya Chast'): Ali Guli Mamedovich MAMEDOV.

b. Deputy Director for Science (Nauchnaya Chast'): Oil engineer Pasha Pireyevich GULIZADE.

c. Deputy for Administration (Khoz Chast'): (fnu) YEVSEYEV.

In addition to the above, AzII had the following administrative sections:

a. Secretary for Education (Uchenyy Sekretar'): Engineer (fnu) GULIYEV, former deputy director of the Energetics Section at the Azer

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Academy of Science.

b. Spets Chast': Responsible for security matters. Section chief was Mrs. Antonina Pavlovna (lru).

c. Military Desk (Voyennyi Stol): Chief - (ru)

d. Administration Section (Obshchiy Otdel): Head - Mrs. Maria Andreyevna (lru).

e. Accountant: (fru) SHEPENGART.

f. Cashier: (fru) GASANOV

g. Archives: Chief - Mrs. Mahbube (lru)

h. Personnel Section (Otdel Kadrov): Head unknown

i. Library: Head - Mrs. (ru)

j. Dispatch Office (Dispecherskaya Chast'): Responsible for scheduling lectures and lecturers. Head unknown.

3. Attached to the AzII is NIS (Nauchno-Issledovatel'skiy Sektor). The director was (fru) TALYBZADE. This organization was responsible for study and solution of various technical problems arising in the industrial production network of the Azer SSR. It was composed of several sections: Hydraulics, Energetics, ~~Hydraulics~~, Mechanics, Oil, Geological Exploration, Chemistry, Physics, and others. The sections were directed by AzII professors of corresponding chairs who were assisted by a number of associate professors and docents. Two types of assignments were given to NIS: Gosbyudzhetnyye and Khozraschetnyye. The first dealt with various production problems of state importance and were handled by responsible/^{republic} organizations. Such problems were submitted to NIS for study and solution within the scope of the regular activity of AzII. Finances connected with the solution of such problems were supplied by the ^{republic} ~~zaxranitskaya~~ budget, but no bonuses were paid

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to NIS personnel. The second type of assignment was submitted to NIS by industrial organizations and enterprises experiencing difficulties in production, desiring improvements in production methods, or looking for inventions. On these assignments, bonuses were normally paid to NIS personnel which usually amounted to 50 per cent of the monthly salary of the individuals working on the assignments. The bonuses, costs of research, and other expenditures on such projects were borne entirely by the industrial enterprise concerned.

4. AzII had six faculties:

- a. Geologo-Razvedochnyy - GRF. Dean: (fnu) BABAYEV.
- b. Oil Production (Nefte-Promyslovyy - NPF). Dean unknown.
- c. Oil Technological Faculty (Nefte-Tekhnologicheskii - NTF).
- d. Economy and Engineering Faculty (Inzhenerno-Ekonomicheskii - IEF). Dean unknown.
- e. Oil Mechanical Faculty (Nefte-Mekhanicheskii - NMF). Dean: (fnu) MAMMADI; Deputy Dean: (fnu) KATISKIN.
- f. Energetics (Energeticheskii - EF). Had two branches: Thermal and Electrical. Dean: (fnu) VAKHADOV. Deputy Dean: (fnu) KARIMZADE.

Until 1954 there was a construction faculty (stroitel'nyy) at AzII which was then transferred to the Azer Polytechnic Institute. In the early 1950's, there was also a railroad engineering faculty which was later abolished.

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5. The annual student enrollment at AzII was always determined in advance by the Institute's annual plan, and it fluctuated from 2,000 in 1946 to 600 in 1957. Approximately 40 per cent of the students were women. Except for some Iranians, the number of which fluctuated from several persons to 25 in 1957. [redacted] Early 25X1 in 1957, there were rumors that some Chinese students were coming to study there. However [redacted] does not 25X1 know whether or not any Chinese students ever came. Usually, three times as many candidates as the Institute could accept took the entrance exams. Entrance requirements were: completion of 10 years of education or completion of a technical school related to the selected faculty at AzII technical school. Candidates ^{had} ~~xxx~~ to pass both medical and entrance exams. Medical exams were conducted at the AzII polyclinic. Entrance exams subjects varied, depending on the selected faculty. However, mathematics, physics, chemistry and history of the USSR were "musts" for all candidates. Entrance exams were given in August and the school year always started on 1 September.

6. All instruction was given simultaneously to two large groups referred to as sektors. One sektor received instruction in the Azerbaijanian language and the other in the Russian language. The two groups were never merged except for military training. The International (Russian language) Sektor was always considerably larger than the Azerbaijanian. It was attended by a large number of native Azerbaijanians whose parents (one or both) spoke Russian and had sent their children to Russian kindergardens and intermediary schools. Such parents usually felt that as far as their children's future careers and employment was concerned, it was more advantageous for them to get their higher education in Russian than in the Azerbaijanian language, which

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was much poorer in technical terms and literature. In addition to the native Azerbaijanians, the International Sektor included Russians living in the Azer SSR, Armenians, Georgians, Jews, and other Soviet national minorities. In general it can be stated that regardless of nationality, every student who knew some Russian went into the International and practically never into the Azerbaijan Sektor. In other words, the Azer Sektor was composed of students who, due to their ignorance of the Russian language, were unable to attend the International Sektor. This fact was at the same time reflected in the over-all intelligence index of the sektors, and in this regard students of the International Sektor were much above those in the Azer Sektor.

7. The course of study at AzII was five years divided into 10 semesters, with the exception of GRF which was five and one-half years made up of 11 semesters. Each school year was divided into two semesters: the winter term was from 1 Sept. to 1 Jan., and the summer term from 1 Feb. to 1 June. January and June were ~~for examination periods~~ for semester exams, and August and September were for rest and vacations. Whenever the educational plan envisaged practical training, the semester period was shortened, thus providing time for practical training before the vacation period. There were exceptions to this rule though, and sometimes practical training was given through part of the vacation period.

8. Two types of chairs were established at AzII. One was for general instruction--handling of educational subjects common to all AzII specialties. Instruction in subjects belonging to these chairs was given to all AzII students regardless of selected faculty and subdivisions. The other type of chairs was of a more specialized nature, and instruction on subjects

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belonging to this type of chairs was given only to one or a few faculties of AzII.

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In March 1957, the organization and personalities of AzII were as follows:

a. General instruction chairs:

Physics. Professor (fnu) AMIRKHANOV, an atomic scientist of Ossetian nationality. His assistants were Docent (fnu) RAMAZANZADE, active especially in ^{molecular} ~~mekakexx~~ physics, and several others. AMIRKHANOV was often away from the Institute on various scientific assignments for several months at a time.

Chemistry. Head unknown. Assistants: Docents (fnu) ALIYEV and (fnu) SAMEDOV.

Higher Mathematics. Head: Docent (fnu) SHEYDAYEV. Assistants: Docent (fnu) GALUSTYAN, Lecturer (fnu) BAGDASAROV, and some others.

Technical Drawing and Descriptive Geometry. Head unknown. Assistants: (fnu) BAGIRZADE and several others.

Stretch of Materials and Construction Materials (Sopromat i Stroymaterialy). Head: Docent (fnu) DATSKO, and several others.

Foreign Languages. Head: Mrs. Andrea Georgiyevna MDIVANI and several lecturers who specialized in English and German.

Work Safety (^{Tekhnika} ~~Teknika~~ Bezopasnosti). Professor (fnu) SHIBAYEV and several assistants.

Fire Prevention (Pozharnoye Delo). Head was an unidentified colonel who was assisted by several Soviet Army officers.

Physical Training (Fizkul'tura). Head unknown.

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Russian and Azerbaijan Languages. Head: (fnu) KHALIFEZADE and several specialists in the Russian and Azerbaijan languages and literature.

b. Specialist Chairs:

General Electro Mechanics and Basic Theoretical Electro Mechanics

(Obshchaya Elektrotekhnika i Teoreticheskiye Osnovy Elektrotekhniki -

OE - TOE, usually referred to simply as TOE). Head: Professor Zinoviy

Borisovich EL'YASHEVICH, with the title of Zasluzhennyy Deyatel' Nauk,

a 72-year old professor who was an expert on TOE.

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Docents: Zaki Iskanderevich KAZIMZADE, lecturer on TOE in the Azerbaijan Sektor EF; Israiyl Davidovich VARTANOV, lecturer on general electro technics in the International Sektor for various faculties of AzII; Naum Aleksandrovich TSEKUN, specialist on low tension current and corrosion of metals; Shamil Abdulovich BEYBUTOV, lecturer on TOE in both AzII sektors; Mrs. Samaya RAFILI, an employee of the Aser Polytechnical Institute who lectured on TOE in NMF; Ibragim SADYKHOV, lecturer on OE.

Assistants: Khashim Guseynovich SAMEDOV, lecturer on OE; Yuriy Vasil'yevich GRACHEV, an expert on inclinometer and electric drilling, who lectured on TOE; Hadzhiaga Rezaguliyevich GUSEYNOV, lecturer on ~~XXXXXXXXXXXX~~ OE and TOE.

Aspirants: (fnu) FRIEDMAN, (fnu) KULIYEV, and Mrs. (fnu) ZEYNALOVA.
Electric Power Plants - El/St. Professor Boris Maksimovich AL'BITSKIY.

Docents: Pasha Bizirganovich RUSTAMZADE, lecturer on electric power plants and relays for EF; (fnu) RASULZADE, lecturer on short-circuit currents (TKZ) for EF; (fnu) SARKISIYAN, lecturer on automation of electric power plants for EF; Vatan Babayev and (fnu) BADALBEYLI,

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lecturers on electric power plants and relays for IF.

Electric Machinery (Kafedra Elektricheskikh Mashin - EEMASH).

Head: Docent Boris Maksimovich PIVUSE, lecturer on EEMASH.

Docents: Fridun Gamzayevich GUSEYNOV; (fmu) HAMEDZADE and Gadshi Mamedovich SAFAROV, lecturers on various types of electric machinery.

Assistants: Mrs. (fmu) BOYEMAN; (fmu) SATKISOV; (fmu) HAZVASHVILI; Ilyas ALIYEV; and (fmu) OSMANOV. In the 1957-58 school year, Mariyush DZHAVADZADE ~~XXXXXXXXXX~~, son of the former President of the Azor Dem Party, General PIRSHVARI, was supposed to join this chair as an assistant lecturer.

High Tension Technics (Tekhnika Vysokikh Napryazheniy - TVN).

Head: Docent Aleksey Andreyevich SPIRIN, lecturer on TVN and corrosion of metals.

Docents: (fmu) SALAMZADE, lecturer on TVN; (fmu) HASULZADE, lecturer on power lines; Aziz FARKHADOV, lecturer on electrical installations; and one more whose name is unknown.

Automation and Telemechanics (Avtomatika i Telemekhanika). This chair was attached to the IEF.

Head: Docent Gashim Alimamedovich ABIZADE, [REDACTED]

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Docents: Aleksandr Mikhaylovich MELIK-SHAKHMAZAROV. (This man is a disciple of Professor KUMISOVSKIY, a renowned scientist and inventor in the field of automation of the oil industry. At present he is a professor at some specialist institute in Kuybyshev. MELIK-SHAKHMAZAROV has continued KUMISOVSKIY's work in Baku on automation of the oil industry and has invented various electrical devices used in this industry.) Fofig Mamedovich ALIYEV; Yuriy Vasil'yevich GAGSEV; (fmu) HADIVOV; (fmu) ABDULAYEV (member of the Azerbaijan Academy of Science);

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(fnu) GUREVICH, who specialized in electronics and was employed by the Baku Radio Zavod - BRZ; and several new lecturers who were members of the Azer Academy of Science were used in 1957.

Theoretical Mechanics.

Head: Professor (fnu) POKROVSKIY.

Docents: (fnu) MAMEDOV, and several others.

Thermotechnics (Teplo tekhnika).

Head: Docent (fnu) MAKINSKIY, an ethnic Iranian known for his work on the distillation (opresneniye) of sea water and its use for industrial purposes (Baku is experiencing a shortage of fresh water for industrial purposes, especially for steam turbines of electric generators).

Docents: Adham ORUDZHALIYEV, and several others.

General Geology (Obshchaya Geologiya).

Head: Professor (fnu) OPRESOV.

Several docents and candidates of technical sciences: (fnu)

BABAYEV, Shafiq Abbasovich PANAHI,

Petrography.

Head: Professor Shamil AZIZBEKOV.

Several docents and assistant Samed AFIYAT,

Geophysics.

Head: Docent Sergey Yakovl'yevich LITVINOV.

Several docents.

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Mineralogy.

Head: Professor (fnu) VAZIRZADE.

This subject was closely associated with Rentgenology and practical work in the laboratory was restricted to VAZIRZADE and his immediate assistants cleared by the AzII Spets Otdel.

Geodesy.

Head: Professor (fnu) ALIYEV.

Several docents, and assistants (fnu) SHEIKHZAMANOV and (fnu) ABDULSALAMOV.

Poleantologiya (a science allegedly dealing with the study of fauna to ascertain the age of various layers of earth).

Head: Professor Gamboy Askerovich ALIZADE.

Docent: Mrs. (fnu) KHALAFOVA

Assistant: Tofiq MAMEDOV

Drilling.

Head: Professor Pasha GULIYEV.

Docents: Farakhad SHEKHALIZADE; (fnu) SHAHBAZBEKOV; and several others.

Oil Industry Electric Equipment (Elektrooborudovaniye Neftyanoy Promyshlennosti).

Head: Docent (fnu) GULIZADE.

Assistants: (fnu) KHAYKIN, and two others.

Exploitation of Oil and Gas Deposits (Ekspluatatsiya i Razrabotka Neftnyanykh i Gazovykh ~~Mestorozhdeniy~~ Mestorozhdeniy).

Head: Professor (fnu) BAGDASARYAN

Docents and Assistants: AGAYEV, SULEYMANOV, AND MAMEDOV.

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Industrial Geology (Promyshlennaya Geologiya).

Head: Professor Akhad YAGUBOV

Docent: (fnu) REKEMAN

Assistant: (fnu) ZEYNALOV

Technology of Minerals.

Head: Unknown

Docent: (fnu) EREVANLI, and several others.

Machine Components (Detali Mashin).

Head: (fnu) TALYBZADE (Director of NIS)

Several others

Physics and Chemistry.

Head: A professor - name unknown

Economics of the Oil Industry.

Head: A docent - name unknown

Gases in the Oil Industry (Gazovoye Delo).

Head: Professor Mikhayil SHAKHNAZAROV

Assistants: Anver SADYKZADE and several others

~~Hydraulics~~ Hydraulics.

Head: Unknown

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Docents: (fnu) MAMEDZADE and Mrs. (fnu) MAMEDOVA.

There were several more chairs, the names of which are unknown

in 1957, the total number of chairs at AsII
was 42.

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9. During the last few years, AzII has adopted a wide policy of specialization for its student. Each specialty has been given a code number and is usually referred to by that number. The specialty number is always composed of three digits: the first is the faculty number and runs from 1 to 7 with the omission of 6 which had been given to the construction faculty that was abolished in 1954. The two other digits represented the specialty within a certain faculty, and the sektor (Azerbaijan or International). The even numbers were for the International and the odd numbers for the Azer Sektor.

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they were given in close dependence on the existing five-year plan, according to which AzII specialties, number of students to be enrolled in each specialty, and the years of acceptance within the plan (1 to 5) were specified. For instance, when a new five-year plan introduced a new ~~special~~ ^{specialty} group on GRF, it was immediately assigned the numbers 120 and 121. If the five-year plan had envisaged enrollment of students into the ~~same special~~ ^{specialty} group for the second year of the plan, the numbers would have been 122 and 123 etc. for each year until the termination of the five-year plan. Therefore, the numbers for the fifth year would have been 128 and 129. If a new five-year plan continued enrollment of students into this same special group, it would go on with consecutive numbers, in this case starting with 130 and 131.

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a. GRFExploratory Geophysics (Polevaya Geofizika)

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Industrial Geophysics (Promyslovaya Geofizika). Graduates of these two special groups received diplomas of mining engineer geophysicist (gornyy inzhener geofizik).

Geology of Oil and Gas Deposits and Geological Exploration, and Geology of Mineral Resources. A graduate of ^{either of} these two groups received a diploma of mining engineer geologist.

Hydrogeology. Graduates of this group received a diploma of mining engineer hydrogeologist.

During the period from 1951 to 1956, the following specialty numbers were assigned to GRF, Azer Sektor: 173 - Field Geophysicist (Polevoy Geofizik), 175 - Industrial Geophysicist (Promyslovyy Geofizik), 177, 179, and 183 - Geologist Specialist for Oil and Gas Deposits and Geological Exploration (Geolog Neftyanykh i Gazovykh Mestorozhdeniy i Geologo Razvedki), 181 - Geologist of Mineral Resources (Geolog Poleznykh Iskopyemykh).

b. NPF: Drilling, Exploration, and Exploitation. The first digit in these special groups was "2."

c. NTF: Names of specialties are unknown. The first digit was always "3."

d. IEF: Economics and Statistics. First digit always "7."

e. NMF: Automation of the Oil Industry and Application of Telemechanics, Designing of Electric Oil Industrial Appliances (Elektro-Priborostroyeniye), Automotive Mechanics, and Mechanization of the Oil Industry. First digit was always "4."

f. EF: Three electrical specialties: Stantseviki, Oborudchiki,

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[REDACTED]

Setoviki, and several thermal specialties, most probably steam engines, turbines, and boilers. The first digit of the numbers for all these special groups was "5."

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10. [REDACTED]

[REDACTED]

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10. Attendance at lectures was compulsory. At the beginning of each lecture period, every instructor took roll call to ascertain whether or not all students were present. Because of the large number of students and insufficient space, lectures were given in two shifts--the first from 0830 to 1230, ~~and~~ 1430 or 1630, depending on the daily schedule. The second shift began at the end of the first and often continued until 2200 hours.

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11. Until 1956, all AzII students who successfully passed semester exams received State stipends. The stipends varied depending on the course and faculty. [] a student [] and his stipend, with the addition of 25 per cent for excellent results, was raised from 293 rubles the first year up to 455 in the fifth year. AzII had two dormitories, both on Ul. Solntseva, No's. 36 and 42. No. 42 was for both men and women. Space in the dormitories was given only to out of town students and they had to pay a small monthly fee for dormitory accommodations.

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12. To get a diploma, graduate students at AzII had to prepare and defend diploma projects. Time allowed for this was six months, and it was done during the 10th semester. []

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[] Presentation and defense of the project was before a State commission composed of the faculty dean, lecturers, and several State officials who were specialists in the field of the faculty concerned. The senior State representative was at the same time the president of the commission. []

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[redacted]

13. In addition to the regular courses, AzII also gave correspondence courses in all faculties. [redacted] the length of the 25X1 correspondences courses was at least six years.

14. A Students' Scientific Society (Nauchnoye Studencheskoye Obshchestvo) was attached to AzII. It was composed of volunteer students, mainly from the fourth and fifth year courses. Members of this society were given problems within the curriculum of their chosen specialty, generally of a practical nature, which they had to solve and defend.

15. Associated with AzII in Baku was an organization referred to as the Engineers and Technicians Advanced Course (Kurs Usovershenstvovaniya Inzhenerov i Tekhnikov). It was attended by engineers and technicians of various industrial enterprises in the Az SSR according to schedules prepared by the individual enterprises. The approximate length of this course was six months, and the faculty and premises of AzII were used for these courses.